

Cocos-Keeling - VK9Y Ray Husher W5EW and Barry Blanton WC5N plan to operate from a week in mid-May from this Indian Ocean location. Exact dates will depend on air transportation schedules. Requested callsigns are **VK9EW** and **VK9WB**. They may also operate from Christmas Island **VK9X** for a few days. More details soon.

Netherlands Antilles - PJ Jakob Laib HB9TL will be on as **PJ4/HB9TL** April 24-May 4, on 10-20 meters, including 17 and 12 meters. QSL to home call.

Bangladesh - S2 K5VT, Vince expects to arrive in S2 on or about April 6th. He has operating permission and expects to be on the air for 10 days. **VK9NS**, Jim may join him after A51.

Somali - T5 I2JSB, George expects to be operating for a period of 20 days beginning with the WPX Contest. All bands 10-80 mtrs. Some 12 and 17 mtrs.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

S21U - Bangladesh In a follow-up letter from JA1UT, he reports a successful startup operation from this country. The station was setup in the office of the National Broadcasting Authority, Gov't of Bangladesh. The purpose for this operation was the preliminary research for resuming amateur radio activity from within this country. 1,100 QSO's were made with 21 countries (W, UA's 8 areas, OH, SP, I, VE, VU, VK, VS6, YB, YJ8, DU, XV and JA) during the period Mar 15-16. Equipment used was an FT-747GX, FT-101 and HB9CB tribander and wire dipole. (Per fax 3-23-90 fm Yoshi, JA1UT)

Reserve Your Island

- **4U5ITU** will be active from Geneva in the WPX CW test, operated by DF1SD, DF7TU, DJØYI, and HB9BUN. Some WARC band and RTTY activity outside the test, May 25-29. QSL to DF1SD.
- **WA4VCC/C6** will be active from Treasure Cay (NA-80) June 6-12, including the ARRL VHF contest. WA4VCC, K4MQG, WA4UNZ, and AA4SC are the operators, with stations of 6 and 2 meters and 432 MHz, as well as HF, especially 28885 kHz. They'll have a beacon on 50.085 MHz.

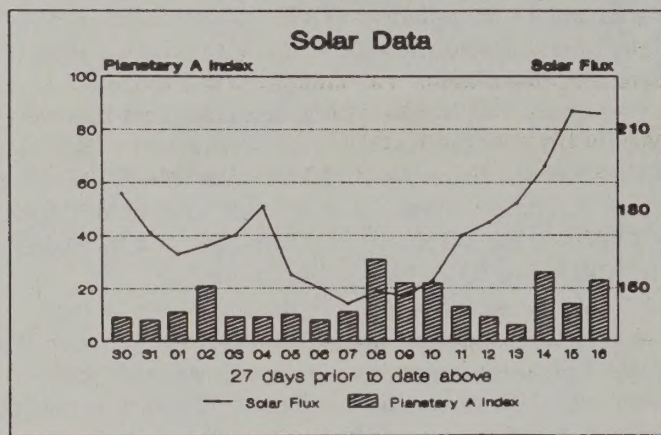
Shortly Noted

- **4NØJRT** will be active May 5-30 from the Yugoslavian Radio and TV corporations (JRT). 160-10 meters, CW and SSB. QSL to Radio Club YU4ERT, P.O.Box 67, 71000 Sarajeno, Yugoslavia.
- **Islands On The Air: 4OØT** will be active from Lastovo Island (EU-99) May 10-25.
- **EI4VKH** will be on April 22-May 6, by Ron WB1EAZ and Elaine KA1UCC, mostly 10-meter SSB. QSL to WB1EAZ.
- **ZYØFX** in the WPX SSB contest is operated by, and QSLs via W9VA, not K9VA as typoed in Issue 529.
- **CT 6.0?** A passing mention in the latest issue of the *National Contest Journal* about Version 6.0 of CT, Ken Wolff K1EA's popular computer contest program made some contesters think version 6.0 had been released. It is **not** yet finished, but **may** be ready by Dayton. The contest community will hear about the new release when completed.
- **WH4AAB** - Midway Is. has appeared recently on 10 mtrs (in the novice portion). Appears to be a new licensee, but handles the pileup fairly well. QSL CBA.
- **GUØLYQ** - Guernsey Is. will be active April 8-13. QSL to AA6MV (90CB).
- **Islands On The Air: 4I48C** will be active from Corregidor Is. (OC-42) in Manila Bay, May 4-6. QSL to NR8Y.
- **EI4VKH** will be the call of Ron WB1EAZ and Elaine KA1UCC. They will be active April 22-May 6. QSL WB1EAZ CBA.
- **XZ8CW-XZ8DW** rumors continue to persist that the HA group has received some sort of operating permission. The HA's have released no official word on starting dates. Latest rumor is that activity may appear early in April. The key word here is rumor. QSL HA5PP.
- **V51NAM** Has been very active on the high bands from the newly independent country of Namibia.
- **HSØSM** will probably be the callsign of the W7TIR operation from Thailand. He hopes to begin operating April 5 for a period of two weeks. QSL CBA.
- **VP8SGI & VP8SSI** is a projected operation to So. Georgia and So. Sandwich Is. Operation to begin in Nov with a team of hams headed by WA4JQS and AH2BE. Further details in future issue of TDXB.
- **RTTY Report:** Some active stations JY9SR 14096 0234Z; TA3B 14087 0447Z; VU2SVJ 14090 2136Z; 9M8FH 14096 1255Z; RO5OO 14081 0428Z.

Propagation

Forecast and Historical Data

Day Forecast	27 Days Before	55 Days Before
March 1990	Date Flux A K	Date Flux A K
30 High Normal	03/03 186 09/09 2	02/06 151 09/10 1
31 High Normal	03/04 171 07/08 0	02/07 148 25/23 4
April 1990		
01 High Normal	03/05 163 10/11 2	02/08 146 09/08 2
02 High Normal	03/06 166 17/21 3	02/09 145 06/07 0
03 Above Normal	03/07 170 07/09 0	02/10 151 06/09 2
04 Above Normal	03/08 161 10/09 2	02/11 138 08/09 2
05 Above Normal	03/09 155 11/10 2	02/12 145 05/07 0
06 Above Normal	03/10 150 10/08 3	02/13 146 07/09 3
07 Above Normal	03/11 144 11/11 3	02/14 153 15/20 1
08 Below Normal	03/12 149 30/31 5	02/15 152 20/25 3
09 High Normal	03/13 147 22/22 2	02/16 152 34/46 3



No Bandpass, Regulars

The inside of this Issue of The DX Bulletin looks a little different, without Bandpass and the Regular features, and without a detailed Propagation Watch. No, this is not a permanent change. It is just for this one issue, while your editor is in Christmas Island as T32AW, and helping with the T32T multi-multi. All the usual inside features will be back next week, if Air Tungaru can get me back to Hawaii on time.

Lyle Meek WW6F and Jim Hicks KK6X have kindly "volunteered" to help with the outside of this issue, including the DXpedition News, Reserve Your Island, Shortly Noted, and the Calendar.

Meanwhile, I have included some background information about some of the rare (and not-so-rare) countries that are on the air now, or coming on in the near future. Much of this information comes from the World Factbook 1989, a publication of the US Central Intelligence Agency. This book can be obtained for \$23 from the Superintendent of Documents, US Government Printing Office, Washington DC 20402. It is not classified.

-Chod Harris VP2ML/T32AW, Editor.

Southern Sudan

by John Fung-Loy PA3CXC

Our extended stay in Nairobi [Kenya] from February 15-19 and 23-26 and South Sudan from February 19-23 has not been without difficulties, including anti-forces trying to

discredit the operation. Our first and major goal was to get transport secured and second, if time permits, to get on the air. The last became almost impossible because the Kenyan customs did not allow us to have our equipment in transit over land to South Sudan. The Sudanese Movement however did not sit still [for this] and they offered us to use their military station after their usual transmitting time. We were limited to operate for three to four hours in the evening due to the limited power of the solar batteries and a wire antenna not resonating on 15 meters. We had no takers on our CQ on CW, and Hans decided to move to SSB with more luck, running 40 watts. Our four-day stay in Sudan has been relaxing and unforgettable, due to the assistance of a Burmese, Mr. Mounq of UNICEF, the SRRA/SPLA/SPLM, and most of all Bob McCartney, UN station manager in Lokichokio, who really dragged us out of the mud.

We succeeded in our mission despite the intense meetings and if the rain does 'keep his time-frame,' we will be active mid-April for fourteen days on all bands, CW and SSB. The Sudanese Movement advised us not to use the 6U callsign series, as agreed before, because these are only issued to locals and needs to be approved in Khartoum. We decided to respect that since this issue is very delicate. They will accordingly draw up a 'resolution' for the DXAC since they control the area, to legalize amateur radio within their territory. The SRRA will be the only legal body to issue permission for the time being. There will be two permanent club stations on the air, run by the Sudanese amateurs with donated Yaesu equipment after the April activity, and only licensed radio amateurs will be able to use the club callsign. (One needs to have a license from his country of birth before making any application.) Hans PA3DFT will present a slide show and try to collect donations to assist the Sudanese Relief work. I hope this brief release will clear many of the contradictory rumors that filled the bands lately, and those trying to discredit the planned activity will find themselves in an almost impossible position toward South Sudan.

The Heard Island DX Association (HIDXA) is committed to donate a large sum to the STØ DXpedition, which will also include two members of the HIDXA. The list of donors: (PA3CXC and PA3DFT pre-financed US\$2,000): W1WW, KB7YX, N5ORT, DJ9ZB, KC6AST, GM4UZY, W8IQ, W1NH, JA5DQH, PAØTAU, G4EDG, KP4AZ, W1KID, PA3DLM, DK1RV, KI6T, and W8EVZ. Total amount of donations received US\$315.60. Estimated cost US\$5,000. We need more assistance.

Ethiopia

During a two-day stay in Addis Ababa just before going to Kenya and Sudan, your editor managed to arrange a definite schedule to re-activate ET in combination with STØ. However, after a sad experience and long discussion with Hans PA3DFT during our stay in Nairobi, waiting to be transferred to Sudan, I decided **not** to continue, and cancelled the ET and future S2 DXpedition. In a long letter I explained to the Ethiopian authorities the reason for this cancellation and regret I had to do so. Amateur radio has changed so the attitude of some so-called gentlemen. My Ethiopian sources stated that ET3PG will not be on the air despite reports, announcements, and rumors. I will be in Addis Ababa soon, but no advanced notice. Sorry, guys.

[Reprinted from the March 9, 1990 issue of DXPress.]

Jarvis Island

by Martti Laine OH2BH

Where in the world is Jarvis Island, and will it count as a separate DXCC country? With all the DXers grasping for a new DXCC country to add life to their pursuits, is it possible that the up-coming Jarvis Island expedition might qualify under the present rules, or is it so that the first Jarvis expedition (AD1S/KH5, 1983) was treated wrong, and only that decision need to be re-considered?

Take out your most detailed map of the Central Pacific and start at the Equator almost due south of Hawaii and try to answer the following quiz on Jarvis:

1. Does Jarvis Island qualify as part of an Island Group which is a DXCC country by itself (Palmyra)? Should Palmyra still be considered as part of the greater Hawaiian chain, again another DXCC country, leaving Jarvis as a separate entity?

2. If "parent" need to be found for Jarvis Island, is it probably to be part of Baker and Howland with which they form a Wildlife Refuge under the US Department of the Interior?

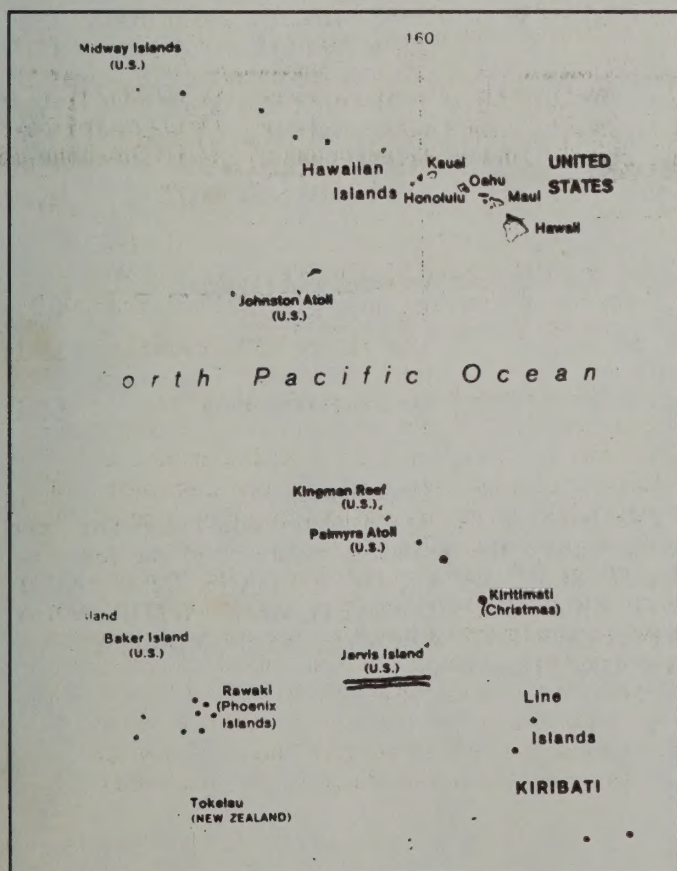
3. If Jarvis is not separated by Palmyra by required 500 miles, is it still that the intervening Republic of Kiribati need to be honored? Playing with the small pieces of land and not honoring internationally agreed borderlines of the island nation may lead to further confusion.

If you have any doubt, just work the up-coming DXpedition to Jarvis Island.

The Jarvis Island DXpedition

by Chod Harris VP2ML

The 1990 Jarvis Island DXpeditioners will use the same



route the 1983 AD1S/KH5 team used. Their sailing yacht will leave Honolulu on April 1, laden with generators, food, fuel, tents, landing craft, and all the supplies to keep the team on Jarvis for a week. The ship will sail to Christmas Island by April 11. The DXpeditioners will fly to Honolulu after the International DX Convention in Visalia, and catch the weekly Air Tungaru flight to Christmas. There they will pick up five Icoms 735s, and an Icom 575H with power supplies, generously loaned by Icom America. They will also gather up three Ameritron amplifiers, several beam antennas, coax, etc., that have all be carefully de-bugged and checked out by the T32T WPX SSB team that was on Christmas Island in late March.

The crew will sail on the additional 200 miles to Jarvis to activate AH3C/KH5J. (The team had originally received permission from the FCC to operate as AH3C/KH1J, but this permission may be rescinded.) Accommodations on Jarvis will not be up to Club Med standards. The island is sandy, with sparse bunch grass, vines, and low-lying shrubs. There is no fresh water. The millions of sea and shore birds that live on Jarvis provided rich guano deposits, which were mined in the nineteenth century. Constant trade winds provide little cooling effect from the tropical sun.

The tiny settlement of Millersville on the western side of the island was used as an occasional weather station from 1935 until World War II, when it was abandoned. Some International Geophysical Year scientists lived on Jarvis in 1957, but in 1958 the island was made part of the Pacific wildlife refuge, under the administration of the Fish and Wildlife Service of the US Department of the Interior.

Bhutan

The Kingdom of Bhutan is a tiny country about half the size of Indiana, nestled in the Himalayas between India and China. The climate is tropical in the southern plains, but very severe in the mountains. In fact, the country name translates to Land of the Thunder Dragon, referring to the violent storms that sweep out of the mountains. Only 1.5 million Bhutanese inhabit the poor country, which has a life expectancy of about 48 years, and an average income of only \$170 per person. The country exports some gypsum and cardamon (a spice), and timber.

The Bhutanese aircraft fleet consists of 1 jet and 2 prop planes, which fly into the only permanently surfaced airport in the country. Only 300 miles of roads are paved. In 1985 Bhutan boasted of 1,890 telephones, and 85 TV sets. Presumably the owners of the TVs had satellite dishes or watched video tapes; there are no TV stations nor FM stations in Bhutan.

Bhutan is governed by a hereditary king, since the monarchy assumed full power in 1907. In 1949 the country won independence from India. There is still no written constitution nor bill of rights. Jigme Singye Wangchuck has been the king since 1974. The country has ample hydroelectric power, but the mountainous terrain discourages heavy industry. Bhutan has considerable appeal as a tourist destination.

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Calendar

Issue 531 - March 30, 1990

(Changes and hot info in boldface.)

Abu Ail - A15 A15AA/DJ6SI active now I531
American Samoa - KH8 N6AMG/KH8 Mar. 29-Apr. 5 I526
Anguilla - VP2E VP2E April 19-24 I529
Antartica - ZLØAIC until Jan 1991 I531
Armenia - UG UG6GAW 20M CW 0345Z I528
Bangladesh - S2 K5VT Apr 6-17 I531
Bhutan - A5 A51JS March 21-April 10 I530
Djibouti - J2 active now I531
Easter Island - CEØ CEØZIG 14010 0100Z I530
Franz Josef Land 4K2OT 10103/22Z 'OIL 20M CW 03Z I525
French Polynesia - FO by AA6LF in April I525
Gambia - C5 C53GB 28480 1230Z I528
Guam - KH2 KG6SL 28560 2300Z I530
Guernsey Is - GU GUØLYQ Apr 8-13 I531
Ireland - EI EI4VKH Apr 22-May 6 I531
Jan Mayen - JX JX6DFA April 1-July 27 I525
Kazakhstan - UL UL7MU 14022 0300Z I530
Kenya - 5Z 5Z4ET 28465 1830Z Sunday I528
Kerguelen - FT/X FT5XA, XH 14165 13-1600Z I530
Kirghizia - UM UMØMO 7009 1230Z I529
Kure - KH7 KH6JEB/KH7 soon SSB only I528
Lebanon - OD OD5SK 28510 1300Z I530
Liberia - EL EL7X 3504/23Z 28460 1230Z I530
Lord Howe - VK9 by N6AMG April 5-12 I526
Macao - XX9 XX9TDM WPX CW I528
Marion Island ZS8MI 14050 1500Z I530
Marshall Is. - V7 KX6EL 28490/00Z I528
Mauritius - 3B V73AX 7004/12Z 14025/1330Z I529
Mayotte - FH 3B8CF 10105/0230Z 14034/0315Z I528
Micronesia - V6 FH5EJ 18085/1930Z 10112/23Z I529
Monaco - 3A V63AO 28507 2100Z I528
Mongolia - JT 3A/F9UW/m 75M 0400Z Th, Fr I529
Nepal - 9N JT1CS 14027 1400Z I528
New Caledonia - FK 9N5CW, DX May 10-31 I523
Nicaragua - YN FK8GJ 3504 1400Z I528
Oman - A4 YN/SMØOIG 10105 2245Z I528
Ogasawara - JD A41JV 14012 0230Z I530
Pitcairn - VR6 JG6CVO/JD1 Apr. 4-28 I527
Reunion - FR VR6JR 28500 1900Z I525
Rodriguez - 3B9 FR4FD 14005/03Z 10M SSB 12Z I528
Saudi Arabia - HZ 3B9FR 14165 1400Z I530
 HZ1AB 3506/0200Z 10M SSB 1330Z

Senegal - 6W 6W1PZ 7002 2330Z I530
Sierra Leone - 9L 9L1CW 3506 0200Z I528
Singapore- 9V 9V1YB 14009 1500Z I530
South Orkneys - VP8 LU1ZA 14013 0200Z I530
Southern Sudan - STØ PA3CXC/STØ April 16-25 I529
Sri Lanka - 4S 4S7WP 14004 12, 2300Z I530
Sudan - ST ST4/WZ4C 14210 0200Z I528
Taiwan - BV BV2DA 28009 0030Z I530
 BV2TA 14025 1400Z I530
Thailand - HS HSØSM Apr 5 (2 wks) I531
Turkmenistan - UH RH8AX 14016 0300Z I530
Uzbekistan - UI UI9GWA 14019 0400Z I530
Vietnam - 3W 3W3RR 14185/19Z 28010 02Z I530
Walvis Bay - ZS9 ZS9S 14180 05Z 28610 1630Z I526
 ZS9A 28610 15-1600Z Sun. I527
West Malaysia - 9M2 9M2AX 3505 2240-2115Z I529
Western Kiribati - T3Ø T3ØJH 10M SSB 0030Z I530
Western Samoa - 5W by N6AMG Mar. 29-Apr. 5 I526
Zaire - 9Q 9Q5TE 14210 0500Z I530
Zambia - 9J 9J2FR 10M SSB 1900Z I530

DX Activities and Contests

Date	Event or Activity	Info
Mar. 30	1990 Honor Roll Deadline	<u>QST</u>
April 6-8	International DX Convention	<u>TDXB</u>
April 27-29	Dayton Hamvention	<u>QST</u>

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, AA7AV, DF1SD, DXNS, I2JSB, JA1UT, KB9TL, KK6X, W1CYB, W6AUG, W6GO, W7TIR, W9UA, WA4VCC, WB1EAZ, WB2WVG, WC5N, WW6F, YU4XA, and NCDXC. Thanks! -ed.